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CLAIMS: Please amend the claims according to the status designations in the following list, which contains all claims that were ever in the application, with the text of all active claims.

1.-4. (CANCLELED)

- (NEW) An aerosol splitting device, comprising
 - a. a nebulizer means for generating aerosol particles and
 - b. a non-linear spray chamber means for segregating said aerosol particles based upon their momentum, and thus upon their size, and
 - c. temperature control of said non-linear spray chamber as means for shifting aerospt size distribution, and
 - d. a drain suitably located in said non-linear spray chamber
 whereby said nebulizer propels an aerosol into said non-linear spray chamber and under
 thermal influence of said temperature control, said aerosol particles shift size distribution either
 through partial evaporation or condensation, and under geometric influence of said non-linear
 spray chamber the larger particles are directed to said drain, and the smaller particles are
 directed to the exit of said non-linear spray chamber.
- 6. (NEW) The device of claim 5 wherein the non-linear spray chamber is a stainless steel tube with both a straight section and curved section, said straight section being means for shifting aerosol size distribution, and said curved section providing means for a momentum separator.
- 7. (NEW) The device of claim 5 wherein the source of thermal energy for said temperature control is a thermoelectric plate also known as a peltier device, whereby the peltier may raise the temperature of said non-linear spray chamber when operating as a heater, and may decrease the temperature of said non-linear spray chamber when operated as a cooler.
- 8. (NEW) The device of claim 7 wherein two aluminum plates of predetermined shape transfer thermal energy between said peltier device and said non-linear spray chamber, the predetermined shape being such that a flat surface exists for intimate thermal contact with said peltier device, a formed recess exists for intimate thermal contact with said non-linear spray chamber, and that the two plates maintain intimate thermal contact with each other when assembled.